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(54) **SETTING SYSTEM FOR INITIAL VALUE OF PROGRAM VARIABLE**

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(57) Abstract:

PURPOSE: To decrease the misinstructions to set the initial value and to prevent the program malfunctions by performing the initialization with the same attributes or all variables lumped together.

CONSTITUTION: An area allocating part 11 allocates the variables having the same attributes to the continuous memories. A variable area pointer part 12 stores the start and end addresses of the allocated areas occupied by the same attribute and the start and end addresses of all variable using areas. In other words, the variables used in a program are grouped and allocated to the memories for each attribute with use of the attribute instructed by a language. Then the start and end addresses are controlled for each one of grouped attributes. Thus it is possible to set en bloc the initial values to the variable of each attribute or to all variables. As a result, the describing performance, the flexibility, the debugging efficiency, etc., are improved for a program.

